

APPLICATION FOR UNITED STATES LETTERS PATENT**PCT Declaration and Power of Attorney (35 U.S.C. 371(c)(4))****PCT Application - United States Designated Office**

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR DETECTING CRATER END OF CONTINUOUSLY CAST PRODUCT,
AND METHOD FOR PRODUCING CONTINUOUSLY CAST PRODUCT

described and claimed in International Application number PCT/JP2004/017824 filed 24, November, 2004
and, if it was amended, as amended on

I have reviewed and understand the contents of said specification, including claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I claim priority benefits under 35 USC §119 of: (i) any foreign application(s) for patent or inventor's certificate listed below; or (ii) any United States provisional application(s) listed below; and have also identified below any foreign application(s) for patent or inventor's certificate, or PCT international application having a filing date before that of the application(s) on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE (day, month, year)	PRIORITY CLAIMED
JAPAN	2003-396827	27, November, 2003	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
JAPAN	2004-327638	11, November, 2004	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I appoint the attorneys associated with **CUSTOMER NUMBER 01933** to prosecute this application and to transact all business in the U.S. Patent & Trademark Office connected therewith including: Leonard Holtz, Reg. No. 22,974; Herbert Goodman, Reg. No. 17,081; Marshall J. Chick, Reg. No. 26,853; Richard S. Barth, Reg. No. 28,180; Douglas Holtz, Reg. No. 33,902; and Robert P. Michal, Reg. No. 35,614.

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Sign: <i>Koichi Tsutsumi</i>	Date: May 08, 2006	Residence (City & Country): Chiba, Japan Post Office Address: c/o Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 JAPAN	
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1AP2004001PCT/PTO 22 MAY 2006

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Appl. No. : (U.S. National Phase Appln.
based on PCT/JP2004/017824)
Applicant : Yukinori IIZUKA et al
Filed : Concomitantly herewith
For : METHOD AND APPARATUS FOR
DETECTING CRATER END OF
CONTINUOUSLY CASE PRODUCT...
Docket No. : 06334/HG
Customer No.: 01933

Express Mail Mailing Label
No.: EV 842 303 273 US
Date of Deposit: May 22, 2006

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Lori Valdes

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by credit card payment, authorization to charge the extension fee, or any other fee required in connection with this Paper to Account No. 06-1378.

**REQUEST FOR PUBLICATION OF
ASSIGNMENT INFORMATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


S I R :

It is requested that the following assignment information be published as part of the 18-month publication of the present application:

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Respectfully submitted,


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